

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 04165932
PUBLICATION DATE : 11-06-92

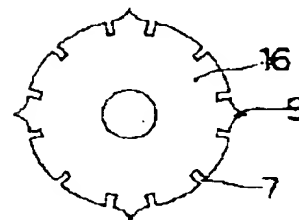
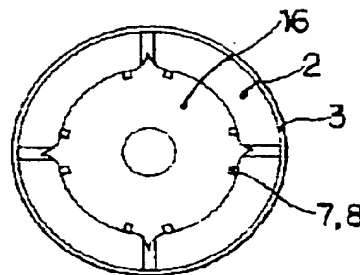
APPLICATION DATE : 29-10-90
APPLICATION NUMBER : 02288564

APPLICANT : TOSHIBA CORP;

INVENTOR : FUTAMI TOSHIHIKO;

INT.CL. : H02K 1/27

TITLE : PERMANENT MAGNET TYPE ROTOR



ABSTRACT : PURPOSE: To enable a permanent magnet to be fixed by an extremely simple method by forming a plurality of groove parts on an outer-periphery surface of a rotor core and by providing a fixed member for pressing and fixing the rotor core, the permanent magnet, and a can body in diameter direction at this groove part after thermal expansion deformation.

CONSTITUTION: A plurality of permanent magnets 2 which are positioned by a protruding part 9 is placed at an outer periphery of a rotor core 16 and then a cylindrical can body 3 is provided at an outer periphery of the permanent magnet 2. Then, a fixed member 8 which is subjected to thermal expansion deformation when a specified temperature is reached is inserted into a groove part 7 which is provided at the rotor core 16 and is fixed by rivet to both end faces of the rotor core 16, the permanent magnet 2, and the can body 3 by matching the edge plate. After an entire rotor is heated after assembling and fixing as in the above, an expandable resin is expanded, and thus the fixed member 8 is expanded in diameter direction and the permanent magnet 2 is firmly pressed against an inner periphery of the can body 3 and fixed.

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